REMARKS

Applicant thanks the examiner for his thoughtful attention to the application. In response to the foregoing office action and with a mind to present the application in a condition for allowance, applicant has amended the application as follows. No new matter is believed to have been entered with any of the amendments.

In regard to the objections to the drawings, attached is a request to amend the drawings with marked-up duplicate copies of the proposed changes to Figures 1, 4, 7-9, 13, 14 and 16 at the various reference callouts. Amendments have also made to the specification to correlate with the drawing corrections. Applicant therefore requests the examiner withdraw her objections thereto.

In regard to the objection to the length of the abstract, the abstract has been shortened and should no longer be objectionable.

In regard to the rejections of the claims under 35 USC §112, the claims have been amended to provide proper antecedence and clarity. Applicant therefore requests the examiner withdraw her objections thereto.

Claims 1-34 are pending in the application and all claims stand rejected. Claims 1, 20, 27 and 34 stand rejected under the "judicially created doctrine of obviousness-type double patenting over US 6,626,195. In regard thereto, enclosed is a terminal disclaimer with the fee. Applicant therefore requests the examiner withdraw her objections thereto.

Claims 1-4, 7, 8 and 13-34 stand rejected as being obvious under 35 USC §103 over the Gardner Denver operating manual. Claims 9-12 stand rejected as being obvious under 35 USC §103 over the Gardner Denver operating manual in view of Clotz

(2,267,493). Claims 5 and 6 stand rejected as being obvious under 35 USC §103 over the Gardner Denver operating manual in view of the Rotary Flex Lancer article.

The Gardner Denver operating manual is cited for showing the various features of the independent claims. To the extent differences exist (e.g. Gardner's drum brake), the examiner argues a disc brake would be an obvious substitute. The lack of a spray nozzle with a plurality of orifices is overcome with an assertion that it is common to include such nozzles with such a device. A reference is also made to GD's logo design.

The examiner references GD drawing RLC7510K (copy attached) in apparent support that GD's hose is concentrically coiled to the reel. The examiner, however, apparently has misconstrued the side view at the foregoing drawing. **Upon reference to the top view, it is clear the GD hub is not mounted concentric to the longitudinal drive axis**. That is, GD's reel is mounted to rotate in-line with the hose drive axis, as also the does the hose reel of the rotary Flex Lancer article. Consequently, the GD hose is not layered in concentric relation to the drive axis as applicant claims.

In contrast to the in-line mounting of the GD reel, applicant's reel is mounted transverse to the longitudinal drive axis, which concentrically aligns the hose storage space to the longitudinal hose drive axis and permits applicant's assembly to operate without vibration and obtain the appreciably higher hose travel speeds (i.e. as much as 2 feet per second or 120 feet per minute) than the prior art. Applicant's shrouded enclosure and layering arm also facilitates the collection and layering of the hose at these higher hose feed/retraction rates and which is not achievable with an in-line mounting.

Moreover, the examiner's assertion that it would be obvious to merely adjust the speed capabilities of the GD and Jetting System devices is also controverted, since these devices are unstable at the rates achievable with applicant's apparatus.

Clotz (2,267,493) is cited for showing webs having a channel and a shroud. Upon reference to Clotz, a wire cage is shown for collecting a wire-wound drain cleaning snake 35. The cage or "composite reel structure" 19 is constructed of various formed wire pieces. That is, radially extending wires or rods 20 and annularly disposed rods or wires 21 (reference, column 2, lines 43-47) and cage rods or wires 29 (reference, column 3, lines 2-10).

The wires/rods 20, 21 and 29 neither disclose nor suggest planar webs and/or a surrounding solid shroud as claimed by applicant.

The rotary Flex Lancer article is cited for showing rates of hose travel (i.e. extend: 0-45 FPM and retract: 0-60 FPM) that overlap those claimed by applicant. As noted at the specification and as claimed, applicant's apparatus is able to operate in a stable fashion at extend/retract speeds of as much as 2 feet per second (i.e. 120 FPM) which is 2 to 3 times faster than achievable with the Flex Lancer equipment. The examiner's unsupported assertion of merely adjusting speed is therefore believed to be unsupported from the art.

In distinction to the cited references and as provided at the amended claims, applicant provides a novel combination to a high pressure hose cleaning assembly capable of directing a hose and multi-orifice spray tip in a reciprocating fashion along a longitudinal drive axis via a rotating hose transport means and reel means. The reel is transversely mounted relative to the hose drive axis such that the hose is concentrically

coiled relative to the drive axis. The reel means is variously constructed from a plurality of slotted/channeled webs and/or shroud that define the hose storage space. The assembly is moreover stable and operable at rates of hose travel greater than achievable with other available devices (i.e. 2X to 3X).

With the foregoing amendments and comments, the amended claims are believed distinguishable over the art and the application is believed in a condition for allowance. No new matter has been entered with any of the foregoing amendments. Applicant therefore requests the examiners reconsideration of the application and an early notice to the allowance thereof.

If any matters remain that can be handled with a telephone conference, the examiner is encouraged to contact the undersigned.

Respectfully submitted,

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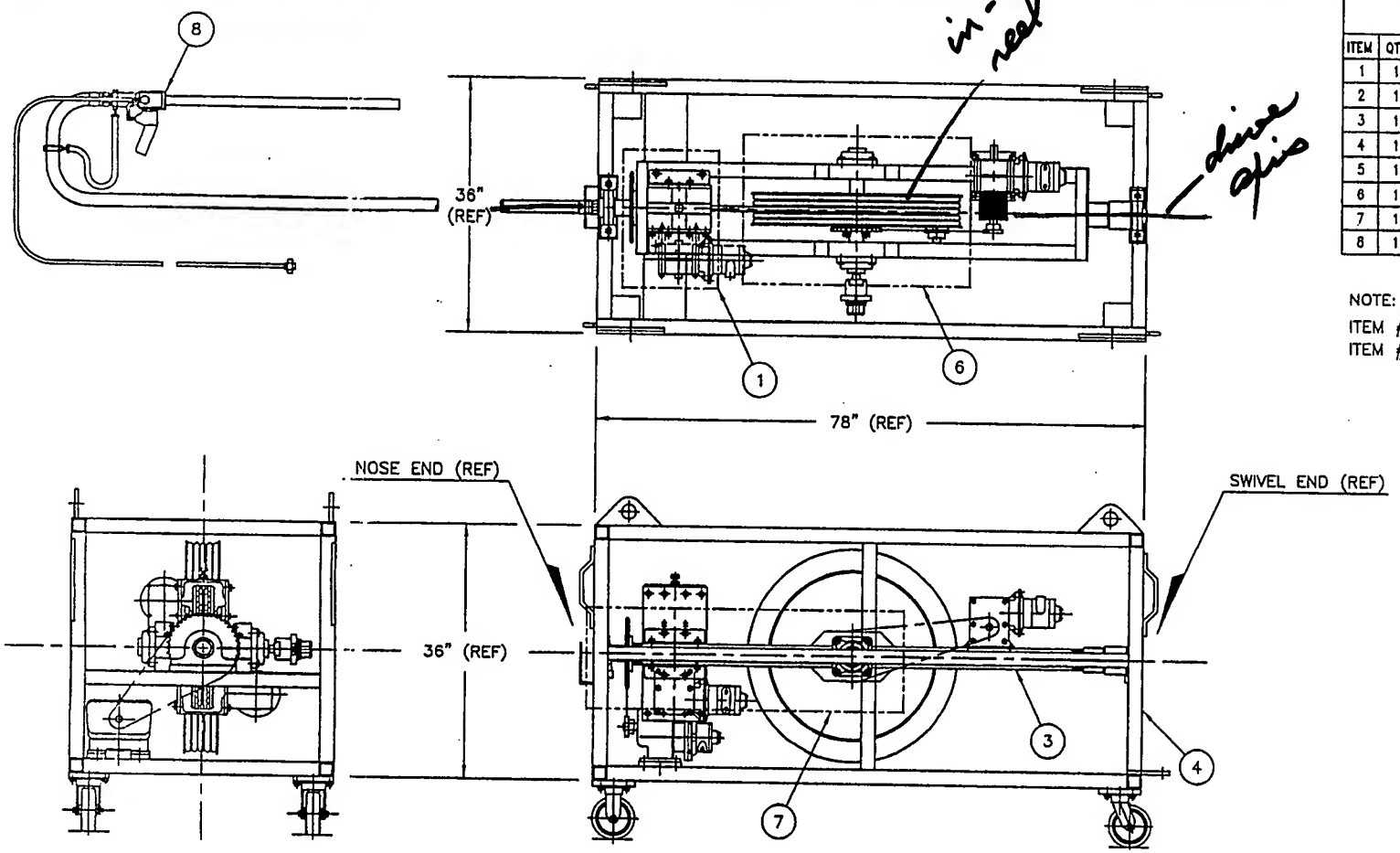
Enclosure

AMENDMENTS TO THE DRAWINGS

Attached find a petition to amend the drawings with duplicate marked-up copies of Figures 1, 4, 7-9, 13, 14 and 16 including the proposed changes and wherein the changes are noted in red. No new matter is believed to exist at any of the proposed changes. Upon the approval of the proposed changes, applicant proposes to submit amended, replacement drawings.



Bill Of Materials

ITEM	QTY	PART NO.	DESCRIPTION	WGT.
1	1	PNCH7510	PINCH ROLLER ASSEMBLY – 10K	
2	1	PNMT7510	PNEUMATIC ASSEMBLY – 10K	
3	1	CRDL7510	CRADLE ASSEMBLY – 10K	
4	1	FRAM7510	FRAME ASSEMBLY – 10K	
5	1	GD783636	RLC GUARD ASSEMBLY – 10K	
6	1	DRUM7510	HOSE DRUM ASSEMBLY – 10K	
7	1	H2OP7510	H2O ASSEMBLY – 10K	
8	1	HNGCNT02	HANDGUN CONTROL ASSEMBLY	

NOTE: FOLLOWING ITEMS NOT SHOWN FOR CLARITY
ITEM #2 – PNEUMATIC ASSEMBLY
ITEM #5 – RLC GUARD ASSEMBLY

TOLERANCES
UNLESS OTHERWISE SPECIFIED
FRACTIONS ±1/64
.X DECIMAL ±.030
.XX DECIMAL ±.020
.XXX DECIMAL ±.005
ANGLES ±0°–30'

MACHINED SURFACES 125/(RMS)
REMOVE ALL BURRS AND
BREAK SHARP CORNERS .015 ± .005
DO NOT SCALE

JSA
JETTING SYSTEMS & ACCESSORIES, INC.
4026 TREY
HOUSTON, TEXAS 77084

ROTARY LINE CLEANER

ROTARY LINE CLEANER ASSEMBLY – 10K

ENG: J.D.F.		DRAWING NO.	
DRAWN BY: R.D.F.		RLC7510K	
SCALE: N.T.S.		ACAD NAME:	REV.
DATE: 06/02/00	SHT. 1 OF 1	LCR.RLC7510K	0